

Title (en)
VASCULAR ENDOTHELIAL CELL-BINDING PEPTIDE

Title (de)
VASKULÄRES ENDOTHELZELL-BINDENDES PEPTID

Title (fr)
PEPTIDE DE LIAISON AUX CELLULES ENDOTHELIALES VASCULAIRES

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Application
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Abstract (en)
[origin: EP2108698A1] A peptide consisting of an amino acid sequence represented by any one of SEQ ID Nos. 1 to 76 of the present invention, a peptide consisting of an amino acid sequence in which one or several amino acids are substituted, deleted, inserted or added in these amino acid sequences, and having an ability to bind to, or to be taken into an activated vascular endothelial cell, or a peptide containing the above peptide as a partial sequence, and having an ability to bind to, or to be taken into an activated vascular endothelial cell is a novel peptide ligand specifically binding to a neovascular endothelial cell, and such a ligand can be effectively used for treating and diagnosing a disease accompanying vascularization such as a solid tumor.

IPC 8 full level
C12N 15/09 (2006.01); **A61K 38/00** (2006.01); **A61P 35/00** (2006.01); **C07K 7/04** (2006.01)

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Citation (search report)
• [XY] WO 0115511 A2 20010308 - UNIV PITTSBURGH [US]
• [Y] US 2005003466 A1 20050106 - ARAP WADIH [US], et al
• [Y] OKU N ET AL: "Anti-neovascular therapy using novel peptides homing to angiogenic vessels", ONCOGENE, vol. 21, no. 17, 18 April 2002 (2002-04-18), pages 2662 - 2669, XP002566398
• [Y] YAO VJ ET AL: "Antiangiogenic Therapy Decreases Integrin Expression in Normalized Tumor Blood Vessels", CANCER RESEARCH, vol. 66, no. 5, 1 March 2006 (2006-03-01), pages 2639 - 2649, XP002566399
• See references of WO 2008084652A1

Cited by
EP2698635A3; US9198975B2; WO2012075243A3

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